

CATEGORY : Plant Diseases. Diseases of
Plants.
ABS. JOUR. : RZPiol., 10.12, 1958, No. 54044
: Medicago lupulina K. Arnold
: Medicago lupulina K. Arnold
: Medicago lupulina K. Arnold
: Medicago lupulina K. Arnold
ORIG. PUB : Vinařství, 1956, 49, No. 7, 103
ABSTRACT : No abstract

1/1

MUDRUMKA, Vladimir, inz.

Exploitation of the Danube in Austria and the Aschach Waterwork,
Vodni hosp 13 no.3:112-114 '63.

1. Ministerstvo zemedelstvi, lesniho a vodniho hospodarstvi.

HUDRY, W.

The dusk of bases.

p. 18 (KOLNIENI POLSKI) (Warszawa, Poland) No. 2, Feb. 1958

30: Monthly Index of East European Accessions (EEAI) LC Vol. 7, no. 1, 1958

MUDRY, Witold.

Industrial fittings at the 33d International Poznan Fair.
Przeg mech 23 no. 19:570-572 10 0 '64.

1. "Varimex" Foreign Trade Agency, Warsaw.

MUDRYAK, Tat'yana Romanovna

[Zootecnicians on collective farms] Zootekhnika u kolhospi. Kyiv.
Derzh. vyd-vo sil's'kohospodarskoy lit-ry Ukrainskoy RSR, 1956.
86 p. (MIRA 11:5)
(Stock and stockbreeding)

MARTYSENKO, I.A., inzh.; MILYAYEV, I.S., inzh.; TUGAYEV, T.S., inzh.;
KOTLYARSKIY, I.A., inzh.; MOREV, A.B., inzh.; MUDRYAK, V.A.,
inzh.; SUDOPLATOV, A.P., prof.; IVANOV, K.I., kand. tekhn. nauk;
IGNAT'YEV, A.D., kand. tekhn. nauk; KOLYSHKIN, O.M., kand. tekhn.
nauk; YEREMENKO, Ye.I., inzh.

Industrial testing of the auger drilling of coal with double
spindle auger drilling machines. Ugol' 40 no.1:32-37 Ja '65.
(MIRA 18:4)

1. Kombinat Ukrzapadugol' (for Martynenko, Milyayev, Tugayev).
2. Gorlovskiy mashinostroitel'nyy zavod im. S.M.Kirova (for
Kotlyarskiy, Morev, Mudryak).
3. Institut gornogo dela im.
A.A.Skochinskogo (for Sudoplatov, Ivanov, Ignat'yev, Kolyshkin,
Mel'nikov, Yeremenko).

SHOSTAKOVICH, B.V.; MUDRYKH, G.Ya.

Types and basic parameters of steam turbines. Standartizatsiia
25 no.12:20-23 D '61. (MIRA 14:11)
(Steam turbines--Standards)

MUDRYI, I.V.; BODNAR', P.P.; AGISHEV, A.P.; SAYFIYEVA, M.M.; KOTEL'NIKOVA, G.Z.

Resources and utilization of petroleum (casinghead) gas from the
oil fields of the eastern Ukraine. Gaz. delo no.8:42-44 '64.
(MIRA 17:9)

1. Ukrainskiy filial Vsesoyuznogo nauchno-issledovatel'skogo
instituta prirodnogo gaza.

MUDRYI, I.V.

Means for lowering the cost of gas and condensate production
in the Shebelinka field. Neft. i gaz. prom. 3:48-50 JI-S '65.
(MIRA 18:11)

WILLY, I.V.

1. The effectiveness of the means for preliminary refrigeration
condensing gas on the Shchelinka gas field. Gaz. delo 10.01.65
'65. (10.12.8

2. Ukrainskyi filial Vsesoyuznogo nauchno-issledovatskogo
instituta prirodnogo gaza.

MUDRYI, S.P.

Using well embedded artificial teeth for prosthesis. Vrach.delo
no.2:161-163 F '57. (MLRA 10:6)

1. Kafedra ortopedicheskoy stomatologii (sav. - prof. A.I.Betel'man)
Kiyevskogo meditsinskogo instituta.
(DENTAL PROSTHESIS)

MUDRYI, S.P.

Frequency of the different forms and stages of pyorrhea alveolaris.
Probl. stom. 5:46-50 '60. (MIRA 15:2)

1. Kiyevskiy meditsinskiy institut.
(GUMS---DISEASES)

MUDRYI, S.P.; MARCHENKO, A.I.

Bar-type prosthesis with fixators in pyorrhea alveolaris involving the lower frontal teeth. Probl. stom. 5:101-103 '60. (MIRA 15:2)

1. Kiyevskiy meditsinskiy institut.
(GUMS__DISEASES) (DENTAL PROSTHESIS)

MUDRYI, S.P.

Physiology of mastication in case of complete denture prosthesis.
Fiziol. zhur. [Ukr.] 7 no.5:696-700 8-0 '61. (MIRA 14:9)

1. Department of Facial and Oral Surgery of the Kiev Post-Graduate
Institute for Physicians.
(TEETH, ARTIFICIAL) (MASTICATION)

MUDRYI, S.P., kand.med.nauk

Method of preparing a floating obturator. Stomatologiya 40 no.1:
100-101 Ja-F '61. (MIRA 14:5)

1. Iz kafedry chelyustno-litsevoy khirurgii i stomatologii (zav. -
prof. E.A.Aleksandrova) Kiyevskogo instituta usovershenstvovaniya
vrachey (direktor M.N.Umovist).
(SURGICAL INSTRUMENTS AND APPARATUS) (PALATE—SURGERY)

MUDRYI, S.P., kand.med.nauk

Using quick-setting plastics in preparing prostheses for the edentulous mandible. Stomatologiya 40 no.3:88-90 My-Je '61. (MIRA 14:12)

1. Iz kafedry chelyustno-litsevoy khirurgii i stomatologii (zav. - prof. E.A.Aleksandrova) Kiyevskogo instituta usovershenstvovaniya vrachey (dir. - dotsent V.D.Bratus').

(DENTAL PROSTHESIS)

(PLASTICS)

MUDRYI, S.P. (Kiyev)

Effect of prosthesis on atrophic processes in the alveolar
processes. Probl.stom. 6:269-271 '62. (MIRA 16:3)
(DENTAL PROSTHESIS) (ATROPHY)

MUDRYI, S.P. [Mudryi, S.P.]

Accelerating the regeneration of bone tissue in the alveolar process
by using the "biological paste". *Fiziol. zhur. [Ukr.]* 8 no.2:267-268
Mr-Apr '62. (MIRA 15:5)

1. Kafedra chelyustno-litseyoy khirurgii i stomatologii Kiyevskogo
instituta usovershenstvovaniya vrachey.
(BONES) (REGENERATION (BIOLOGY))

MUDYUGIN, ENG. M. N.: MAKAROV, P. A.

Furnaces - Construction

Using a bottom-fed, mechanical furnace for a small capacity boiler. Za ekon. top 9, no. 7 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

25

C. F. MUDZHIRI, I. P.

Processing fibers with synthetic detergents. I. Mud-
zhiri. *Tekstil. Prom.*, 10, No. 7, 26-8(1950).—Comparison
is made between soap and the synthetic detergents, sulfonol
and sulfonate 63, with regard to emulsifying power in various
types of water. These detergents are recommended for use
in dyeing viscose fiber and wool. Marshall Sittig

ROBANTSI, I. . ., ju. au.

Washing and cleaning of articles made of wool and of silk. Moskva, Izd-vo Ministerstva
kommunal'nogo khoziaistva RSFSR, 1951. 19 p. (55-19625)

TT985.P58

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CA

Periplocin. K. S. Mujahiri. U.S.S.R. 68,313, April 20, 1947. An alc. ext. of the bark of silk vine (*Periplocia graciosa*) is heated to drive off the solvent, the residue treated with basic Pb acetate and Na_2CO_3 to ppt. accompanying substances, the mixt. filtered, the filtrate extd. with a mixt. of alc. and CHCl_3 , the solvents driven off, the residue treated with CHCl_3 to remove periplocymarin, and periplocin sepd. from the residue by crystn.

M. Hosh

ASB-11.4 DETAILING LITERATURE CLASSIFICATION

10

										PROCESSING AND POLYMERIZATION																			
										29																			
										Making tannins from smoke tree and sumac. I. G. Kutateladze and K. S. Mndashiri. <i>Farmatsiya</i> 9, No. 5, 1-7 (1946). -Yield of tannin has been raised 75% over the method of Ya. G. Masover (<i>Introducing tannin production from smoke tree and sumac in the Batum coffee mill in 1940</i> (in Russian)). A battery of diffusers is employed (batch size 100 kg. leaf and 400 l. water) at 20-22°. Each diffuser yields 225 l. of liquor; to 675 l. of liquor 50 kg. NaCl and 3.5 kg. active carbon are added. After filtering through a Cu screen the filtrate is evapd. in vacuum, then treated with 40 l. BuOH and 165 l. BuOAc. Emulsification occurs in 30-60 min.; the emulsion may be broken by standing overnight or by centrifuging. The yield is approx. 3.5% of tannin, calcd. on leaf wt., as against 2% in the Masover process. Greater speed and other savings multiply output 8-10 times; the product is superior in stability, water soly., and freedom from thermal degradation. It meets Soviet Pharmacopoeia requirements.																			
										Julian F. Smith																			

29

Solvents for tannin from smoke tree and sumac. I. G. Katsaloudis and K. S. Madaheri. *Formations* 9, No. 5, 7-10(1965).—Either EtOAc or BuOH:BuOAc blends will ext. tannin (I) from Chinese oak galls. With EtOAc, I is superior to that imported from America, this ext. is also superior to the BuOH:BuOAc ext. A domestic factor favoring EtOAc as solvent is the Soviet Pharmacopoeia requirement that I must be wholly sol. in EtOAc. Two 1-lr. exts. with EtOAc yield 4.1% of I, calcd. on wt. of leaf.

Julian F. Smith

ATC 15.4 METALLURGICAL LITERATURE CLASSIFICATION

MODURIRI, K. S.

Dissertation: "Data on the Utilization of Tea Residue in the Pharmacobiochemical Industry."
Dr Pharm Sci, Tbilisi Sci Res Chemico-pharmaceutical Institute of Public Health USSR
(TNIKHFI), Tbilisi, 1953. (Referativnyy Zhurnal-Akimiya, no 12, Moscow, Jan 54.

CC: Doc 318, 23 Dec 1954

MUDZHIRI, K.S.

✓ Thealbine. K. S. Mudzhiri. U.S.S.R. 104,257, Nov. 25, 1956. Spent tea leaves contg. tannins and obtained as waste in the extr. of caffeine are filtered, mixed with an NH_4OH soln. of casein, and acidified with H_2SO_4 with stirring. The suspension is heated for 30 min. at $40-50^\circ$. The soln. is decanted and the residue mixed with warm water, filtered, and dried to a moisture content of $\leq 5\%$. The thealbine thus obtained is used as a gastrointestinal astringent. M. Hirsch

MUDZHIRI, M.S.

Granatum extract as a therapeutic agent in tapeworm infection. Med.
paras. i paras. bol. no.4:311-313 O-D '54. (MLRA 8:2)

1. Is kafedry tropicheskikh sabolevaniy (sav. kafedroy prof.
V.I.Okropiridse) Tbilisskogo instituta usovershenstvovaniya vrachey.

(PLANTS,

Punica granatum bark extract, ther. of tapeworm infect.)

(TAPWORM INFECTIONS, therapy,

Punica granatum bark extract)

(ANTHELMINTHICS, therapeutic use,

Punica granatum bark extract in tapeworm infect.)

MUDZHIRI, N.YA.

Docent, Tuberculosis Clinics, Tbilisi State Inst. for Advanced Training of Physicians.

-cl948-.

"Aqueous Buffer Method in the Cauterization of Pleural Ulcer," Prob. Tuber., No. 3,

1948: "Cavernostomy," Sov. Med., No. 6, 1948.

YAKOBASHVILI, S.B.; MUDZHIRI, T.G.; SKLYAROV, A.V.

Surface tension of slags in the system $\text{CaO} - \text{Al}_2\text{O}_3$. Avtom.
svar. 18 no.8:44-45 Ag '65. (MIRA 18:11)

1. Gruzinskiy institut metallurgii. Submitted June 27, 1964.

AGLADZE, R.I.; MUDZHIRI, Ya.N.; TOPCHIASHVILI, L.I.

Effect of the composition of a ferromanganese anode on the
production of potassium permanganate. Zhur.prikl.khim.
34 no.8:1786-1793 Ag '61. (MIRA 14:8)

(Potassium permanganate)
(Electrochemistry)

CZECHOSLOVAKIA / Analytical Chemistry: Analysis of Organic Substances. E-3

Abs Jour: Ref Zhur-Khimiya, No 8, 1959, 27156.

Author : Mueck, E., Kokes, D., and Langmier, F.

Inst : Not given.

Title : The Chromatography of Sulfonated Condensation Products of Phenol with Formaldehyde. I. Paper Chromatography of Phenolsulfonic Acids.

Orig Pub: Chem Listy, 52, No 4, 745-748 (1958) (in Czech).

Abstract: o- and p-phenolsulfonic acids (I and II) have been resolved by descending paper chromatography on Whatmann No 3 paper, using the following mixtures: iso-propyl alcohol-NH₄OH (2 : 1) (R_f [sic] 0.77 and 0.51, respectively) and isoamyl alcohol-C₂H₅OH-NH₄OH (5 : 3 : 2.5) (R_f 0.47 and 0.19). I and II are deposited on the paper in the form of alcoholic solu-

Card 1/2

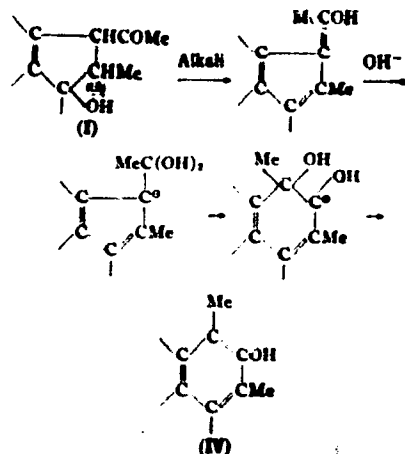
MUEHLEISEN, Jerzy, mgr. inż.

Simplification in protecting high voltage star-connected capacitor
batteries. Energetyka Pol 15 no.8:243-245 Ag '61.

(Condensers(Electricity)) (Electric batteries)

[illegible]

hrs.; the filtrate, after another 24 hrs., deposited 0.7 g. of 3-(3,4-dimethoxyphenyl)-3-hydroxy-5,6-dimethoxy-2-methyl-1-hydrindenone (V) (Part VIII), m. 180°. Recrystn. of IV from alc. or CHCl_3 -EtOH gave brown-red needles of 4-(3,4-dimethoxyphenyl)-4,7-dimethoxy-3-methyl-1,3-naphthoquinone, m. 216-17°, sol. in alc. NaOH with dirty-green color. This ring contraction of the naphthoquinone (IV) to the hydrindenone (V) on further oxidation is interesting; it probably occurs through the 3,4-di-HO deriv. (not isolated) of IV. V is also obtained in 0.8-g. yield from 1 g. III in AcOH with CrO_3 . This work shows that the action of alkali on I consists, not in simple dehydration, as originally believed, but also in a ring expansion corresponding to the conversion of 17-hydroxy-20-steroids into 17-oxo-17 α -methyl-17 α -hydroxy-D-homosteroids. It is formulated as follows:

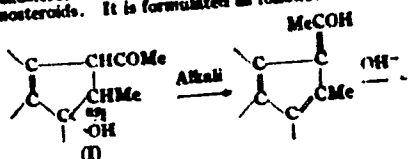


1,3-dimethyl-2-naphthyl ether (III), also obtained in 3-g. yield from 6 g. II in 35 cc. of 2 N NaOMe at room temp. treated dropwise with iodine soln. (3.2 g. iodine in 100 cc. of 10% NaI); it forms pale yellow silky needles, m. 178-8°, after repeated crystn. from alc. or benzene, readily sol. to insol. in the usual org. solvents, insol. in aq. alkalis, cannot be acetylated, does not react with picric acid, and is reduced back to II with the greatest ease (by heating 1 hr. on the water bath in alc.-glacial AcOH (30:1) with PhNH_2 or NH_3 . AcOH, refluxing 1 hr. with Zn dust in alc. contg. a little AcOH, or hydrogenating 18 min. in glacial AcOH). Especially characteristic of III is its disproportionation in hot xylene; when 1 g. was refluxed 30 min. in 10 cc. anhyd. xylene, then dild. with 300 cc. benzene and extd. 20 times with 100-cc. portions of 30% NaOH, the exts. on acidification gave 0.4 g. II and the benzene-xylene layer yielded a yellow oil which, heated 10 min. in 5 cc. AcOH and 1 cc. glacial AcOH on the water bath, with addn. of 1 g. Zn powder in small portions and occasional stirring, and filtered into water, gave a rapidly solidifying oil easily sol. in most solvents; slow evapn. of the alc. soln. gave 90 mg. of (not quite pure) 1,3-bis[2-acetoxy-4-(3,4-dimethoxyphenyl)-6,7-dimethoxy-3-methyl-1-naphthyl]ethane, prisms, m. 127-9°. II is therefore a phenylnaphthol deriv. but with the HO group in the 2- instead of the 1-position; the steric hindrance of the HO group between 2 α -Me groups is therefore easily understandable. Its structure was also confirmed by oxidation; 5 g. II in 50 cc. AcOH on the water bath, treated in the course of 1 hr. with 4 g. CrO_3 in 10 cc. water and 30 cc. glacial AcOH, heated 5 hrs. longer, and the dark red benzene layer washed with Na_2CO_3 soln. (which extd. 0.1 g. veratroyl-veratric acid, m. 220°) and evapd., gave a red-brown oily residue; this was taken up in hot alc., which deposited a deep-red powder (IV) (2 g., m. 208°) after 2 hrs.; the filtrate, after another 24 hrs., deposited 0.7 g. of 3-(3,4-dimethoxyphenyl)-3-hydroxy-5,6-dimethoxy-2-methyl-1-hydrindenone (V) (Part VIII), m. 180°. Recrystn. of IV from alc. or CHCl_3 -EtOH gave brown-red needles of 4-(3,4-dimethoxyphenyl)-4,7-dimethoxy-3-methyl-1,3-naphthoquinone, m. 216-17°, sol. in alc. NaOH

10 continued

with dirty-green color. This ring contraction of the naphthoquinone (IV) to the hydrandione (V) on further oxidation is interesting; it probably occurs through the oxidation of 2,4-dl-HO deriv. (not isolated) of IV. V is also obtained 2.4-dl-HO deriv. from 1 g. III in AcOH with CrO_3 . This work shows that the action of alkali on I consists, not in simple dehydration, as originally believed, but also in a ring expansion corresponding to the conversion of 17-hydroxy-D-20-steroids into 17- α -17 β -methyl-17 β -hydroxy-D-homosteroids. It is formulated as follows:

McCOH



oxy-2-methyl-1-ethyl-3-(3,4-dimethoxyphenyl)hydrazinene
(III), m. 103-6°. C. A. R.

C. A. R.

MUELLER, Aleksander

Granted scholarships will increase the influence of the industrial enterprises upon the shaping of new technical cadres. Przegl techn 81 no.16:18-19 Ap '60.

MARCZINKIEWICZ, Andor; MUELLER, Erika, Dr.

Some observations on the PAS infusion and hormonal therapy of pulmonary tuberculosis. Tuberkulosis 11 no.3-5:92-96 Mar-May 58.

1. Vasmegye Tanácsa hegyfalui tbc. szanatóriumának (mb. igazgatóforvos: Marczinkiewicz, Andor dr.) közleménye.

(TUBERCULOSIS, PULMONARY, ther.

PAS intravenous infusion with adjuvant ACTH & vitamin C (Hun))

(ACTH, ther. use

adjuvant to PAS with vitamin C in pulm. tuberc. (Hun))

(VITAMIN C, ther. use

adjuvant to PAS with ACTH in pulm. tuberc. (Hun))

MUELLER, H.

Activities of railroad men of the Transportation Economy Section of the Polish Economic Society in 1954/55. p. 229.

Vol. 7, no. 6, June 1955

PRZEGLAD KOLEJOWY, Warszawa

SOURCE: East European Accessions List (EFAL), LC, Vol. 5, no. 2, Feb. 1956

CZECHOSLOVAKIA / Microbiology. General Microbiology. F
Growth and Development of the Microbe
Population.

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 19412

Author : Marha, K.; Mueller, J.

Inst : Not given

Title : Evaluation Curves of the Growth of Escherichia
coli

Orig Pub : Ceskosl. mikrobiol., 1956, 1, No 3, 135-138

Abstract : No abstract given

Card 1/1

CZECHOSLOVAKIA

MUELLER, J; REZLER, A.

Institute of Inorganic Chemistry of the Czechoslovak
Academy of Sciences, Prague (for both)

Prague, Collection of Czechoslovak Chemical Communications,
No 10, 1965, pp 339-340

"Influence of Iron Adsorption on the Surface Area Determination."

CZECHOSLOVAKIA/Cultivated Plants. Medicinal, Ether M
Oleaginous, and Poisonous Plants.

Abs Jour : Ref Zhur-Biol., No 15, 1958, 60389

Author: Mueller, K.

Inst

Title : Our Cardiovascular Medicinal Plants.

Orig Pub : Ziva, 1957, 5, No 1, 5-7

Abstract : No abstract.

Card : 1/1

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POLAND/Optics - Photography

K-13

Abs Jour : Ref Zhur - Fizika, No 5, 1958, No 12151

of the colors of the object in connection with the strong dependence of the coefficient of absorption of water on the wavelength.

Card : 2/2

MUELLER, Ludwik, dr.inz.

Methods of elaborating the results of measurements. Pomiar
automatyka Kontrola 8 no.2:55-58 F '62.

1. Politechnika Slaska, Gliwice.

MUELLER, L.

POLAND/Chemical Technology. Chemical Products and Their Application - Processes and Apparatus for Chemical Technology. H-2

Abs Jour: Referat Zhur-Khimiya, No 5, 1958, 14744.

Author : Mueller L.

Inst :

Title : Application of the Theory of Similitude in the Study of the Mixing of Liquids.

Orig Pub: Przem. chem., 1957, 13, No 4, 194-197

Abstract: Determination of the effect of individual factors on duration of the period of complete mixing of liquids (aqueous solutions of glycerol, acetic acid, etc.). The following correlation has been established: $T_m = C \cdot \left[\frac{\rho - \rho_0}{\rho_0} \right] \left[\frac{g}{(n^2 d)} \right]^m$ wherein T is the time required for a complete mixing of the liquids, in seconds; n -- the number of revolutions of the stirrer, per second; ρ, ρ_0 -- densities of the liquids before mixing, kg sec²/m⁴; g -- gravity acceleration, m/sec²; d -- diameter of

Card : 1/2

MUELLER, L.

A method of calculating the size of gears and the optimum of gear construction.
p. 204

PROBLEMY PROJEKTOWE HUTNICTWA. (Biuro Projektow Przemyslu Hutniczego, Biuro
Projektow Przemyslu Stalowego i Biuro Projektow Przemyslu Metalowego) Gliwice,
Poland, Vol. 6, no. 7, July 1958

Monthly list of East European Accession (EEAI) LC. Vol. 9, No. 1, Jan 1960

Uncl.

MUELLER, L.

Calculating the proper construction of pinions with slanted teeth
and bevel gears with straight teeth. p. 278.

PROBLEMY PROJEKTOWE HUTNICTWA. (Biuro Projektow Przemyslu Hutniczego,
Biuro Projektow Przemyslu Stalowego i Biuro Projektow Przemyslu
Metalowego) Gliwice. Poland.
Vol. 6, no. 9, Sept. 1958.

Monthly List of East European Accessions (EEAT) LC, Vol. 9, no. 2, Feb. 1959.

Uncl.

MUELLER, L.

Dynamic forces of gearing. p. 9

PROBLEMY PROJEKTOWE HUTNICTWA. (Biuro Projektow Przemyslu Hutniczego, Biuro
Projektow Przemyslu Stalowego i Biuro Projektow Przemyslu Metalowego),
Gliwice, Poland.
Vol. 7, No. 1, Jan 1959

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, No. 11
November 1959
Uncl.

MUELLER, L.

Similarity and Size Relationship of Machine Parts, p. 259.

PRZEGLAD MECHANICZNY (Stowarzyszenie Inzynierow i Technikow Mechanikow
Polskich)
Warszawa, Poland
Vol. 18, no. 9, May 1959.

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, No. 11,
November 1959
Uncl.

MELLER, I.

Dimensional analysis used in the determination of the work temperature of gears. p. 777.

PRZEGŁAD MECHANICZNY. (Stowarzyszenie Inżynierów i Techników Mechaników Polskich) Warszawa, Poland. Vol. 18, no. 23, Dec. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1959. Uncla.

MUELLER, L., doc.dr.inz.

Problems of designing high capacity gears; a national scientific
and technological conference in Gliwice. Przegi mech 21 no.2:55-
57 Ja '62.

MUELLER, Othmar

New ways of building demolition. Magy ep ipar 13 no.8/9:485-
490 '64

MUELLER, Gthmar

New ways of building demolition. Musz elet 19 no.24:25 19
N '64.

MUELLER, Othmar, okleveles epiteszmernok

Building explosions on Engels Square. Elet tud 19 no. 42:1999-2003
16 0 '64.

MUELLER, Othmar, okleveles epiteszmernok (Budapest)

Building demolitions. Term tud kozl 9 no.4:158-161 Ap '65.

Country : CZECHOSLOVAKIA

K

Category: Forestry. Forest Management.

Abs Jour: RZhDiol., No 11, 1958, No 48763

Author : Mueller, Jaroslav; Mueller, Zbynek

Inst : -

Title : Restoration of Lowland Forests by the Application of
Herbicides.

Orig Pub: Lesn. prace 1956, 35, No 11, 489-491.

Abstract: No abstract.

Card : 1/1

AKHMEDOV, K.S.; SHPILEVSKAYA, I.N.; MUFAZALOVA, R.S.

Structural and mechanical properties of concentrated solutions of the K-4 preparation in the presence of fillers: slunite, aluminium oxide, and silica gel, and the production of dusts. Nauch.trudy TashGU no.257.Khim.nauki no.12:64-68 '64.

(MIRA 18:8)

(3)

ACCESSION NR: AP5001336

8/0057/63/033/006/0739/0742

AUTHOR: Zikov, A. I.; Makhnenko, L. A.; Ostrovskiy, Ye. K.; Den'yanenko, G. K.;
Kononenko, S. G.; Rubtsov, K. S.; Kramskoy, G. D.; Mufel', V. B.

TITLE: Determination of the optimum frequency of a linear traveling-wave accelerator and investigation of the dependence of accelerated-particle energy on frequency

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 33, no. 6, 1963, 739-742

TOPIC TAGS: traveling-wave linear accelerator, phase velocity, group velocity
accelerator, traveling-wave accelerator, linear accelerator

ABSTRACT: Simplified calculations of phase and group velocities of a traveling-wave linear accelerator using a septate waveguide section are suggested. These are based on the fact that in the case of small waveguide mismatch, i.e., when the VSWR is less than or equal to 1.1, it is possible to derive formulas for these respective parameters by applying the method of shifting the locations of VSWR minima by moving a shorting stub. This eliminates the need to plot complex circular diagrams. Since actual waveguides contain some inhomogeneities, it is necessary to average the standing-wave minimum displacements resulting from translation of the stub in the septate waveguide. The phase-velocity formula is
Card 1/5

ACCESSION NR: AP5001336

obtained by measuring the total linear displacement of the standing-wave minimum during the travel of the stub for the total number of resonators. This formula defines the dependence of phase velocity on frequency. Measurements made by this method for a septate waveguide with type $\pi/2$ oscillations, a source frequency stability of 10^{-7} , and a septate waveguide period equal to 2.677 ± 0.001 cm showed that for a phase velocity equal to light velocity a frequency of 2796.58 Mc represents the optimum frequency for this waveguide. A straightforward calculation from the phase-velocity formula yields the corresponding group velocity. As regards the dependence of accelerator output on frequency, it is assumed that random deviations of phase velocity are insignificant and that the whole of the waveguide is homogeneous. From this a formula for kinetic energy as a function of frequency is derived. For the waveguide described the relative kinetic energy decreases by a factor of approximately 10 for a frequency change from 2796.6 to 2799 Mc. It is concluded that for septate waveguides with small inhomogeneities the method described determines optimum frequency, and phase and group velocities with adequate accuracy for practical purposes, since the maximum relative error does not exceed $\pm 0.01\%$. Orig. art. has: 3 figures and 8 formulas.

ASSOCIATION: Fiziko-tekhnicheskiy institut, AN SSSR, Khar'kov (Physicotechnical Institute, AN SSSR)

Card 2/3

ACCESSION NR: AP3001336

SUBMITTED: 21May62

DATE ACQ: 01Jul63

ENCL: 00

SUB CODE: NS

NO REF SOV: 001

OTHER: 004

Card 3/3

DULOVA, V.I.; MUFTAKHOV, A.G.

Spectrophotometric investigation of complex formation between
cobaltous chloride pyridine, and piperidine. Izv. khim. zhur.
no. 2:27-32 '60. (MIRA 14:1)

1. Sredneaziatskiy gosuniversitet im. V.I. Lenina.
(Cobalt compounds)

DULOVA, V.I.; SULTANOV, A.S.; MUFTAKHOV, A.G.

Spectrophotometric study of complex formation between cobaltous chloride and anabasine, N-acetylanabasine, and α,β -dipyridyl.
Usb. khim. zhur. no.3:36-42 '60. (MIRA 13:10)

1. Sredneaziatskiy gosudarstvennyy universitet imeni V.I. Lenina.
(Cobalt compounds—Spectra) (Anabasine)
(Bipyridine)

SADYKOV, A.S., akademik; LEONT'YEV, V.B.; MUFTAKHOV, A.G.

Conformation of anabasine. Uzb. khim. zhur. no. 6:53-57 '60.
(MIRA 14:1)

1. Tashkentskiy gosuniversitet im. V.I. Lenina. 2. AN UzSSR (for
Sadykov).

(Anabasine)

SADYKOV, A.S., akademik; LEONT'YEV, V. ; DULOVA, V.I.; MUFTAKHOV, A. G.

Instability constants of complex compounds of cobalt chloride
with pyridine and piperidine. Uzb.khiv.zhur no.3:25-28 '61.

(MIRA 14:11)

1. Tashkentskiy gosudarstvennyy universitet imeni Lenina.

(Cobalt compounds)

(Pyridine)

(Piperidine)

MUFTAKHOV, A.G.; SADYKOV, A.S.; LEONT'YEV, V.B.

Electron absorption spectra of tetrahedral complex compounds
of cobalt chloride with some heterocyclic compounds in acetone.
Uzb.khim.zhur. 6 no.5:61-67 '62. (MIRA 15:12)

1. Tashkentskiy gosudarstvennyy universitet imeni V.I.Lenina.
(Cobalt compounds—Spectra) (Heterocyclic compounds)

L 3336-66 EMT(1)/T IJP(c) 03

ACCESSION NR: AP5017316

UR/0181/65/007/007/2180/2185

AUTHORS: ~~Man' A. N.~~; ~~Muftakhova, F. I.~~; ~~Nikolayev, A. P.~~
Cherepanov, V. I.

TITLE: On the account of the 'interaction' of the terms in the calculation of the EPR spectra of the iron-group ions

SOURCE: Fizika tverdogo tela, v. 7, no. 7, 1965, 2180-2185

TOPIC TAGS: electron paramagnetic resonance, EPR spectrum, cubic crystal, crystal lattice structure, ion

ABSTRACT: General expressions are obtained for the parameters of the spin Hamiltonian of the iron-group ions in a crystalline field of cubic symmetry with account of the interaction between the terms. The influence of the terms on the spin-Hamiltonian constants is analysed for ions with configuration d^n ($n = 1-9$) in octahedral and tetrahedral lattice points with cubic island symmetry. It is shown that it is sufficient to confine the calculations to the cases d^2 and

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L 3336-66

ACCESSION NR: AP5017316

d^7 (octahedral lattice point) and d^3 (tetrahedral lattice point).
Tables are presented for the splitting of the ground levels of the
ions with configurations d^2 , d^3 , and d^7 under the influence of the
spin-orbit interaction and of an external magnetic field, and for
constants of the EPR spectrum for the same ions. It is shown that
the term interaction can become significant in the calculation of the
spin-Hamiltonian constants. Orig. art. has: 1 figure, 2 formulas
and 2 tables.

ASSOCIATION: Ural'skiy gosudarstvennyy universitet im. A. M. Gor'kogo
Sverdlovsk (Ural State University)

SUBMITTED: 23 Nov 64

ENCL: 00

SUB CODE: NP, OP

NR REF SOV: 002

OTHER: 006

Card 2/2 DP

MUFTIC, I.

Influence of economic factors in the selection of methods for preparation of industrial water. p.1772. TEHNIKA. Beograd. Vol. 10, no. 12, 1955.

SOURCE: East European Accessions List (EEAL), Library of Congress
Vol. 5, No. 6, June 1956

MUFTIC, I.

MUFTIC, I. The supply and preparation of water for the Kakanj Thermoelectric
Plant: p. 589

Vol. 9, no. 11/12, Nov./Dec. 1956
ELEKTROPRIVERDA
TECHNOLOGY
Beograd

So: East European Accession, Vol. 6, no.3, March, 1957

MUFTIC, Mineta; LUBURIC, Petar

Lithostratigraphic and tectonic relations of the lacustrine
Neogene in Bosnia and Herzegovina. Geol glas BiH 7:103-130 '63.

MUFTIC, Mineta

A contribution to the geologic knowledge of the Gacko coal-bearing basin. Geol glas BiH 9:139-154 '64.

1. Submitted May 31, 1964.

MUFTIZADE, S.G.

Problems of seed production at the Karabakh Experiment Station.
Trudy Inst. gen. i sel. AN Azerb. SSR 1:196-199 '59.

(MIRA 13:3)

(Azerbaijan--Seed production)

MUFTIZADE, S.G.

Chemical method for controlling weeds in winter wheat. Dokl. AN
Azerb. SSR 15 no.9:849-850 '59. (MIRA 13:2)

1. Predstavleno akademikom AN Azerbaydzhanskoy SSR I.D. Mustafayevym.
(Wheat--Diseases and pests) (Weed control)

MUGALEV, V.P.

Experimental investigation of a subsonic turbulent boundary layer on a plate with blast. *Izv.vys.ucheb.sav.; av.tekh.* 2 no.3:72-79 '59. (MIRA 12:12)

1. Moskovskiy fiziko-tekhnicheskii institut. Kafedra aerodinamiki dvigateley.
(Aerodynamics)

10 1300

31580
S/124/61/000/011/019/046
D237/D305

AUTHOR: Mugalev, V.P.

TITLE: Experimental investigation of a turbulent boundary layer on a plate in a supersonic flow, with injection of air and CO₂

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 11, 1961, 83, abstract 11B564 (Tr. Mosk. fiz.-tekhn. in-ta, 1959, no. 4, 152 - 171)

TEXT: A method is given of measuring velocity and concentration fields on uniform injection of gas into a turbulent boundary layer on the flat plate with supersonic streamlining ($M_1 = 2.5$). Effect of injection of air on the velocity profile was investigated by two independent methods, by a composite cap and a interferometer. The accuracy of both methods is discussed. The investigation resulted in establishing the similarity of velocity profiles for supersonic and subsonic flows. For the isothermal case of injection of CO₂ into the boundary layer the near similarity of velocity and
Card 1/2

Experimental investigation of a ...

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S/124/61/000/011/013/046
D237/D305

corresponding concentration profiles was shown. [Abstractor's note:
Complete translation].

X

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MUGALEV, V.P.

Approximate method for calculating friction and heat transfer when
air is blown into a turbulent boundary layer. Trudy MFTI no.5:

86-96 '60.

(MIRA 13:10)

(Friction) (Heat--Transmission)

L 52541-65 EWT(1)/EWP(e)/EWP(m)/EPA(s)-2/EWT(m)/EPF(c)/EWP(i)/EPF(n)-2/ENG(v)/ENG(m)/
EWP(v)/EPH/EPA(w)-2/EWP(j)/EWP(t)/EWP(k)/EPA(bb)-2/EWP(z)/FCS(k)/EWP(b)/EHA(1) PC-1/2

ACCESSION NR: AP5010198 Pd-1/Pab-10/Pe-5/Pf-4/ UR/0373/65/COO/001/0175/0180

Pr-4/Pe-4/Pt-7/Pi-4/Pu-4 JD/IG/WM/RM/WH 104

AUTHOR: Magalov, V. P. (Moscow)

TITLE: The effect of different gases blown on the heat transfer near the front
critical point of a blunt body ⁵

SOURCE: AN SSSR, Izvestiya. Mekhanika, no. 1, 1965, 175-180

TOPIC TAGS: heat transfer, laminar boundary layer, numerical analysis, Nusselt
number, porous material ¹⁵

ABSTRACT: Results from numerical solution of the equations of laminar boundary layer on a permeable surface are presented. The dependence of the heat transfer on the blowing of gases of different physical properties onto the surface is considered. An approximate formula for computing the dependence of heat transfer on the porosity of the surface in the vicinity of the critical point is given. The gas is assumed to form a nonreactive mixture with air. The effects of pressure and thermal diffusion are neglected. It is assumed that the pressure is uniform along a transverse section of the body. An approximate formula for the Nusselt number was obtained as

$$N_{\text{pr}}^{(0)} = 0.062 - 1.0 (0.064 + 1.49/j)^{-1}$$

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Submitted: 16 Jul 64

L 52341-65

ACCESSION NR: AP5010198

where $f_o = \frac{\rho_w v_w}{\rho_o u_o}$, P is the density, u, v are the velocities along and normal to the surface respectively, e is the condition at the outer boundary of the boundary layer, and w is the condition at the wall. An approximate formula for the heat flux in the axisymmetric case is obtained in the form

$$[q_w]^{(1)} = 1 - 0.0 (m_{ev})^{0.24} D_o (h_{ew})^{-0.03}$$

Here m_{ev} is the ratio between the molecular weight of the gas at the external boundary of the boundary layer and the molecular weight of the gas being blown.

$B_o = \frac{\rho_w v_w}{(\alpha/c_p)_o}$ and h_{ew} is the ratio of the enthalpies at the outer boundary and

at the wall. These obtained results were compared with the experimental results of A. F. Gollnick (Thermal effects on a transpiration cooled hemisphere. JASS, 1962, vol. 29, No. 5). The discrepancies at large values of f_o were attributed to turbulence in the boundary layer. Orig. art. has: 20 equations and 5 figures.

ASSOCIATION: none

Card 2/3

SMIRNOVA, G.A.; MUGALEVA, L.A., red.

[Concise laboratory manual in biochemistry] Kratkoe rukovodstvo k prakticheskim zaniatiyam po biokhimi. Moskva, Mosk. in-t narodnogo khoz., 1965. 59 p.
(MIRA 18:11)

MUGANLINSKAYA, D. I.

Muganlinskaya, D. I. "The biological value of the by-products of the Baku meat-packing combine", Doklady (Akad. nauk Azerbayizh. SSR), 1948, No. 11, p. 473-76, (Resume in Azerbaijani).

SC: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 10, 1944).

COMMON ELEMENTS										COMMON VARIABLE MOIET									
Vitamin A content of the waste and edible by-products of the Baku meat combine called Boriya. D. Muzan-linskaya. Myasnaya Ind. S.S.S.R. 19, No. 3, 83-4 (1948).—The vitamin A (in units per kg.) and carotene (in mg. per kg.) contents, resp., of some of the material were blood 3360, 1.67; residue from insulin manuf. 2330, 0.78; liver ext. 4000, 0.10; and liver press cake 3660, 0.19. None or insignificant amts. of vitamin A were found in 15 other materials such as tankage, chitterlings, meat meal, bone meal, or residue from pepsin manuf. M. M. Piskur																			
ASS-51A METALLURGICAL LITERATURE CLASSIFICATION																			
SECTION DIVISION										SECTION DIVISION									

MUGANLINSKAYA, D. I.

Muganlinskaya, D. I. "The vitamin-A content of the livers of the fish of the Caspian Sea in the Lenkoran' and Lake Sara regions, and its use as a fodder for pigs", Doklady (Akad. nauk Azerbaydzh. SSR), 1949, No. 3, p. 130-33, (Resume in Azerbaijani).

SO: U-4630, 16 Sept. 53, (Letopis 'Zhurnal 'nykh Statey, No. 23, 1949).

MUGANLINSKAYA, D.I.

Muganlinskaya, D.I. "Calcium and inorganic phosphorus content in the blood of calves with vitamin A deficiency," Doklady (Akad. nauk Azerbaydz. SSR), 1949, No. 1, p. 177-79, (Resume in Azerbaijani)

SC: K-5241, 17 December 1950, (Detopis 'zhurnal 'nykh Statey No. 10, 1950).

MUGANINSKAYA, E. I.

28975 Novaya shkala sinikh edinits dlya opered eleniya vitamina A .
Doklady (Akad. Navk Azerbaydsh. SSR), 1949, No. 8, S. 323-26
Rezyume na azerbaydah yaz.

SO: Letopis' Ahurnal'nykh Statey, Vol. 39, Moskva, 1949

ХУСАНДИНОВ, И. И.

Table of provitamin A (carotene) content in certain feeding stuffs of Azervaijan Baku,
Akad. nauk Azerbaidzhanskoi SSR, 1950, 54 p.

12

2A

Vitamin A content in milk of Azerbaijan cows. D. Muganinskaya. *Molochneya Prom.* 12, No. 5, 43-4 (1951).
—In regions where year-round stables are used the av. vitamin A level is 0.07 mg./kg. with a carotene level of 0.07 mg./kg. With spring-summer pasture the levels are 0.24 and 0.08, resp., while nearly year-round pasture gives levels of 0.08 and 0.06, resp. The best figures (2nd set above) are found in the spring months. G. M. Kosolapoff

MUGANLINSKAYA, D. I. Doc Agr Sci -- "Basic problems of the rationalization
of feeding of dairy cattle in suburban farms of the Apsheron Peninsula."
Baku, 1961 (Min of Agr UkrSSR. Ukrainian Acad^y Agr Sci). (KL, 4-61, 203)

270
- [redacted] -

MUGANLINSKAYA, D.I.

Carotene content in hay harvested under different soil and climate conditions of Azerbaijan. Dokl. AN Azerb. SSR no 2:63-66. '65. (MIRA 19:5

1. Bakinskaya Vysshaya partiyaya shkola.

MUGANLINSKIY, G.

Uniaxial compound pulley block with a hoisting capacity of
75 tons. Nev.neft.tekh.:Bur. no.7:4-5 '48. (MLRA 9:4)
(Oil well drilling--Equipment and supplies)

BERKOVICH, Mikhail Yakovlevich; KUVYKIN, Stepan Ivanovich; MUGANLINSKIY,
Nuredin Abasali; SALOV, Vasilii Nikitich; PETROVA, Ye.A., vedushchiy
red.; FEDOTOVA, I.G., tekhn.red.

[Preventing and eliminating accidents in well drilling] Predupresh-
denie i likvidatsiya avarii v burenii skvazhin. Moskva, Gos.nauchno-
tekhn.isd-vo nefi. i gorno-toplivnoi lit-ry, 1960. 148 p.
(MIRA 13:11)

(Oil well drilling--Safety measures)

GLINKOV, M.A.; KAGANOV, Yu.V.; NAEZHAFOV, E.M.; BLINOV, O.M.; MUGARAB-SAMEDI, K.B.; MAGERRAM-ZADE, R.D.

Calculation method for obtaining current information on heat exchange processes in soaking pits. Izv. vys. ucheb. zav.; chern. met. 8 no.9:187-191 '65. (MIRA 18:9)

1. Moskovskiy institut stali i splavov.

MUGAZANIK, A. A.

- Aug 50

USSR/Nuclear Physics - Paramagnetism
Nucleus
Resonance

"Studying the Paramagnetism of Atomic Nuclei by the Method of Magnetospin Resonance,"
S. D. Gvozdozer, A. A. Mugazanik, Moscow State U

"Zhur Eksper i Teoret Fiz" Vol XX, No 8, pp 705-721

Solves problem of nuclear induction in form of Volterra integral equation and obtains relations that permit one, in terms of parameters of radio signals arising during magnetospin resonance, to determine how the vector of magnetization due to magnetism of nuclei varies with time. Establishes equivalence of form of radio signals to amplitude of high-frequency magnetic field and works out new method for measuring time of prolonged relaxation. Details case of periodic modulation of constant magnetic field. Compares results of experiments with theory favorably. Submitted 26 Jan 50.

PA 165T53

MUGBILOV, M.F.

5/05/60/000/009/001/005
MOSKVA

AUTHORS: Mergul, V.F.; Titel', N.S.; Dzhavara, A.G.; Mzhkumaryan, S.A.; Zakharenko, S.O.; Maslov, M.F.

TITLE: Experience Gained from the Use of Plastic Covers

PERIODICAL: Stroitel'svo Inzhenerov, 1960, No. 9, pp. 9 - 13

TEXT: For the protection of underground pipes polyethylene and polyvinyl chloride plastics have been employed. They must be applied in thick layers to be effective. The Zhukovskiy Dipromerit has been developed in 1958 a cover made from polyamide tape (PK-4) which has been tested in practice by means of a laboratory test on the main pipeline Karadag - Severnaya Oka in 1959. In both instances tests were carried out in the presence of water and soil. Pipelines were provided with both plastic and electrochemical protection, while arrangements for in-ventilation at various points were also made. Results of tests with various kinds of cement and methods of application are shown in Tables 1 and 2. Poor adhesion occurred from layers of cement being too thin or in the event of cement being made with volatile solvents. This causes the formation of blisters and hollow

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places under the cover, into which moisture is being drawn, resulting in corrosion of the metal. In the case of polypropylene cement the durability of the tape suffers under the effect of aromatic hydrocarbons. The strength of the tape improves under application of cement made from pyroclastic. If using white layers (up to 1 mm) of gum oil, the cover remains unchanged for a long time. The tape retains its elasticity and other mechanical properties; there are also no traces of corrosion on the steel. Photo 1 and 2 show to what extent covers made of PK-4 tape have been preserved after having been kept a year and a half covered with asphalt. Its resistance of the cover, as can be seen from Table 1 after 2 years of service, is 12,000 to 180,000 ohms. Various kinds of cement can be used on a resin or oil product base. It can be used for attaching plastic to pipes or fastening tape together. It is important that the cement retains its physical properties and does not change its structure after some time. It also should not contain any solvents (especially to aromatic ones) liable to penetrate under the tape. Viscosity of the cement should be sufficient to prevent the tape from detaching itself from the metal. Petroleum should always be followed by a layer of lubricant 1 cm thick. Experience shows that plastic covers result in an economy of 11.5 - 15% in cost of material, while Card 2/3

Increasing labor efficiency. Combined methods are considered, using bitumen primer coating, followed by a thin layer of petroleum cement, over which 2 layers of plastic tape are applied with a caulk. The work in question can be done on the site or part of it in the workshop. The machine MMD-1 (M.D.-1) used for mechanical work on the site for making bitumen covers can easily be adapted to applying petroleum cement and plastic tape. On leaving the insulating machine the finished plastic section is lowered into the trench. The rules of the USSR so far do not provide for the making of plastic covers. There are 2 photographs, 3 tables and 7 references: 6 Soviet, 1 English.

Card 3/3

MUGBILOV, M.F.

Investigating the corrosion of various types of steel. Zashch.
trub. ot kor. no.5:55-69 '62. (MIRA 17:7)

1. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy
dlya dobychi nefi s morskogo dna, Baku.

MUGDUSLEV, I. P.

"Hydropathy", Medgiz and Moscow, 142 pages, 1951.

MUGDUSIYEV, I.P.

Problems in resort and physical therapy in the Large Medical
Encyclopedia. Vop.kur.,fizioter.i lech.fiz.kul't. 25 no.1:
76-80 '60. (MIRA 13:5)
(THERAPEUTICS, PHYSIOLOGICAL) (MEDICINE--DICTIONARIES)

MUGDUSIYEV, I.P.

Concerning the periodical "Voprosy kurortologii fizioterapii i
lechetnoi fizicheskoi kul'tury" in 1959. Vop. kur., fizioter. i
lech. fiz. kul't. 25 no.4:365-368 J1-Ag '60. (MIRA 13:9)

1. Predsedatel' Retsenziionnogo byuro pri pravlenii Vsesoyuznogo
obshchestva fizio-terapevtov i kurortologov.
(PHYSICAL THERAPY--PERIODICALS)

MUGDUSIYEV, I., kand.med.nauk

Mineral waters. Nauka i zhizn' 27 no. 4:78-79 Ap '60.
(MIRA 14:5)

1. Institut kurortologii, Moskva.
(Mineral waters)

MUGDUSIYEV, I.P.

Balneologic reaction. Vop. kur., fizioter. i lech. kul't. 26.
no.3:260-262 My-Je '61. (MIRA 13.7)
(THERAPEUTICS, PHYSIOLOGICAL)

CHERNOV, G.G.; MUGERMAN, L.I.

Installing electric protection simultaneously with construction of the line. Stroi. truprov. 8 no.1:16-17 Ja '63. (MIRA 16:5)

1. Nachal'nik proizvodstvenno-tekhnicheskogo otdeleniya stroitel'nogo uchastka No. 22 mesta po stroitel'stvu gazoprovodov, Glavnefteprovodstroya Ministerstva stroitel'stva predpriyatiy neftyanoy promyshlennosti SSSR, Podol'sk.
(Electrolytic corrosion) (Gas, Natural--Pipelines)